

L 26630-66

ACC NR: AP5025336

heated samples. Superimposed curves of lanthanum and neodymium show analogous temperature dependence for both metals.. By cooling these metals from 293 to 77°K their hardness increased by 50% for heat-treated samples and by about 40% for cold-worked samples. The absence of polymorphic transformations of lanthanum in the temperature range of 77°-293°K, regardless of its close resemblance to cerium which has polymorphic transformations, was confirmed. Orig. art. has: 3 figs.

1120
SUB CODE: 11,20,15 FORM DATE: 14Oct64/ ORIG REF: 602/ OTH REF: 002

Card 2/2

BELETSKAYA, I.P.; KARPOV, V.I.; MOSKALENKO, V.A.; REUTOV, O.A., akademik

Protolysis mechanism of cis- and trans- β -chlorovinyl mercury
chlorides under the effect of HCl and DCl. Dokl. AN SSSR 162
no.1:86-89 My '65. (MIRA 18:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

L 1641-66 EWT(1) IJP(c) CG

ACCESSION NR: AP5014849

UR/0020/65/162/003/0539/054257

AUTHORS: Moskalenko, V. A.; Falistrant, M. Ye.

44.55

39
B

TITLE: Determination of the critical temperature of a superconductor
with electric impurity

21
44

SOURCE: AN SSSR. Doklady, v. 162, no. 3, 1965, 539-542

TOPIC TAGS: superconductivity, critical temperature, electric impurity, impurity effect

ABSTRACT: The authors consider a two-band model of a superconductor on the basis of the Froehlich Hamiltonian, and show, under the assumption that the impurity is electric, that interband scattering by the impurity results in an appreciable change in the critical temperature of the superconductor. The proof is based on a method used by one of the authors earlier (Moskalenko, FTT v. 4, 2770, 1962) to determine the critical temperature, supplemented by an account of the band overlap and of the impurity. Umklapp processes are neglected

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L 1641-66

ACCESSION NR: AF5014849

18

and the weak-coupling approximation is used. The authors thank N. N. Bogolyubov, D. N. Zubarev, and S. V. Tyablikov for interest and advice, and L. P. Gor'kov for critical remarks and discussions. This report was presented by N. N. Bogolyubov. Orig. art. has: 24 formulas.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University); Matematicheskiy institut Akademii nauk MSSR (Mathematics Institute, Academy of Sciences, MSSR).

SUBMITTED: 04Nov64

ENCL: 00

SUB CODE: SS

NR REF Sov: 005

OTHER: 002

Card 2/2 EP.

L 12016-66

EWT(d)/EWT(l)/EPF(n)-2

IJP(c) KW/QQ

ACC NR: AP5028277

SOURCE CODE: UR/0020/65/165/002/0313/0315

AUTHORS: Moskalenko, V. A.ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Determination of the critical temperature of a superconductor with paramagnetic impurity in the two-band model

SOURCE: AN SSSR. Doklady, v. 165, no. 2, 1965, 313-315

TOPIC TAGS: superconductivity, critical point, impurity band, paramagnetic absorption

ABSTRACT: This is a continuation of an earlier investigation by the author (with M. Ye. Palistrant, DAN, 162, No. 3, 1965) dealing with the influence of a nonmagnetic impurity on the critical temperature of a superconductor in the two-band model. In the present article the author presents the main results of the investigation of the influence of the paramagnetic impurity on the critical temperature. Using the earlier results, as well as the results of A. A. Abrikosov and L. P. Gor'kov (ZhETF v. 39, 1781, 1960), it is shown that the cases of nonmagnetic and paramagnetic impurity differ only in the form of the

Card

1/2

UDC: 537.312.62

L 12016-66

ACC NR: AP5028277

electronic single-particle Green's function. This report was presented by N. N. Bogolyubov 27 Mar 1965. Author thanks N. N. Bogolyubov for interest in the work and a discussion of the results, and to A. I. ^{77,53} Kasiyan and M. Ye. Palistrant for useful discussions. Orig. art. has: 21 formulas.

SUB CODE: 20/

SUBM DATE: 18Mar65/ MR REF Sovt 004

Card

QC
2/P

KISIS, S.Ya.; MOSKALENKO, V.A.

Diagnosis of early postoperative acute cardiac and respiratory insufficiency following intracardiac surgery under artificial blood circulation. Eksper. khir. i anest. no.1:25-87 '65.
(MIRA {8:1})

1. Otdeleniye vrozhdennykh porokov serdtsa (zav. - doktor med. nauk V.I. Burakovskiy) i laboratoriya funktsional'noy diagnostiki (zav. - kand. med. nauk G.G. Gel'shteyn) Instituta serdechno-sosudistoy khirurgii (direktor - prof. S.A. Kolesnikov; nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR, Moscow.

L 22255-66 EPF(n)-2/EWT(d)/EWT(1) IJP(c) GG/WW

ACC NR: AP6010994

SOURCE CODE: UR/0056/66/050/003/0724/0725

AUTHOR: Moskalenko, V. A.; Kon, L. Z.

58

8

ORG: Institute of Mathematics with Computer Center, Academy of Sciences, Moldavian SSR (Institut matematiki c vychislitel'nym tsentrom Akademii nauk Moldavskoy SSR)

21

21

TITLE: The determination ^{of} the critical temperature of a superconductor containing a paramagnetic impurity

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50, no. 3, 1966,
724-725

TOPIC TAGS: superconductivity, superconductor, critical temperature, impurity, scattering, paramagnetic center, relaxation time, paramagnetism

ABSTRACT: A two-band model of a superconductor developed earlier by the author is used to analyze the dependence of critical temperature (T_c) on the paramagnetic impurity. It is shown that at a low concentration of paramagnetic impurity, T_c is inversely proportional to the sum of the relaxation time for interband scattering on the impurity and the relaxation time for exchange scattering of electrons in each of the bands on the paramagnetic atoms. It was established that a critical impurity concentration exists at high concentrations.

[CS]

SUB CODE: 20/ SUBM DATE: 24Sep65/ ORIG REF: 002/

Card 1/1 set

L 35901-50

EWT(d)/EWT(1)/EWT(m)/EMP(t)/ETI

IJP(c)

JD/HW/GG

ACC NR: AP6007355

SOURCE CODE: UR/0126/66/021/002/0280/2081

AUTHORS: Palistrant, M. Ye.; Moskalenko, V. A.

72

71

6

ORG: Institute of Physics and Mathematics, AN Moldavian SSR (Institut fiziki i
matematiki AN Moldavskoy SSR)TITLE: Determining the critical temperature of superconductors with paramagnetic
impurities

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 2, 1966, 280-281

TOPIC TAGS: superconductivity, critical temperature, paramagnetic impurity, Green
function, ELECTRON INTERACTIONABSTRACT: The effect of interelectron interaction retardation on the critical
temperature of a superconductor with a paramagnetic impurity is considered. The
equation for the coupled state of a pair of electrons (or holes) with opposite
momenta and spins and zero coupling energy is

$$I_{\alpha\beta}(x_1 - x_2) = \iint dy_1 dy_2 \sum_{\sigma_1 \sigma_2} G_{\alpha\sigma_1}(x_1, y_1) \bar{G}_{\beta\sigma_2}(x_2, y_2) B_0(y_1 - y_2) I_{\sigma_1 \sigma_2}(y_1 - y_2),$$

where $G(xy)$ is the single electron Green function in the presence of an impurity, B_0
is the zero phonon Green function, and the bar indicates an average over impurity
atom sites and spin orientations. The kernel of the integral equation is

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UDC: 537.312.62:538.01

L 35901-66

ACC NR: AP6007355

evaluated. The critical temperature T_c for small impurity concentrations is given by

$$T_c = T_c^0 - \frac{\pi}{4\tau_s} + a \frac{T_c^0}{\tau_s},$$

where T_c^0 is the critical temperature for the pure metal, τ_s is the relaxation time, and a has the form

$$a = \lim_{\epsilon \rightarrow 0} \frac{1}{2B_0^2(p_F, p_F/0)} \oint_C \frac{B_0(p_F, p_F/\epsilon) \bar{B}_0(p_F, p_F/\epsilon)}{\epsilon^2(1 + e^{B_0})} d\epsilon.$$

Here p_F is the magnitude of the momentum and the contour C encloses the singularities of the numerator of the integrand. The ratio of the paramagnetic impurity contributions with and without consideration of the interelectron interaction retardation is about 0.03 for a majority of superconducting metals. Orig. art. has 6 equations.

SUB CODE: 20/ SUBM DATE: 28Sep64/ ORIG REF: 003

Card 2/2 all

REF ID: A6A15955
ACC. NO.: A6A15955

LDR(e) JF

SOURCE CODE: UR/0129/66/000/010/0048/0051

AUTHORS: Gulyanov, R. A.; Moskalenko, V. A.

ORG: Institute of low-Temperature Physics, AN UkrSSR (Fiziko-tehnicheskiy institut nizkikh temperatur AN UkrSSR)

TITLE: Specific features of low temperature plastic deformation of titanium

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 10, 1966, 48-51
and insert facing p. 48

TOPIC TAGS: titanium, titanium plastic deformation, titanium alloy, titanium alloy plastic deformation, low temperature plastic deformation, subzero temperature deformation/AT-2 titanium alloy

ABSTRACT: The deformation of titanium and titanium alloys at low temperatures was investigated. It was found that as the test temperature decreases from +20°C to -209°C, the tensile and yield strength of VT1 commercial-grade titanium increases 2-2 1/2 times. With temperature decrease, elongation also increases, reaching a maximum at -196°C and then dropping somewhat, but only to a level which is not below that of room temperature. Increased titanium ductility at low temperature is a result of twinning. The higher reductions in deformation cause a complete twinning and consequently, strengthening of polycrystalline materials. The same phenomena were observed in AT-2 titanium-base alloy, developed by Institute of Metallurgy, AN SSSR.

Card 1/2

UDC: 669.295:536.43

L 09999-67

ACC NR: AP6035955

This alloy is an α -solid solution of titanium with molybdenum, zirconium, vanadium, or niobium. At -269°C, the tensile and yield strength of such alloys, vacuum annealed at 650—700°C for 30 min, is 130 and 115 kg/mm² which is more than twice that at room temperature (55 and 48 kg/mm²). The ductility of this alloy at -269°C in some cases is higher than that at room temperature. The mechanism of plastic deformation of AT2 alloy is identical to that of commercial-grade titanium. The presence of β -phase in $\alpha + \beta$ alloys such as VT6 and VT14 has an adverse effect: it sharply reduces the twinning and impairs plastic deformation. These alloys have a very high strength at cryogenic temperatures (up to 220 kg/mm² at -253°C), but elongation is only 2—3%. Titanium alloys of the α -type are the most suitable structural materials for cryogenic engineering.

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 002/
ATD PRESS: 5105

Card 2/2

ACC NR: AP6036056

SOURCE CODE: UR/0056/66/051/004/1163/1175

AUTHOR: Moskalenko, V. A.

ORG: Institute of Mathematics with Computing Center, AN Moldavian SSR
(Institut matematiki s vychislitel'nym tsentrom AN Moldavskoy SSR)

TITLE: Investigation of the magnetic properties of double-band superconductors
in the vicinity of the upper critical field

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 51, no. 4, 1966,
1163-1175

TOPIC TAGS: magnetic property, critical magnetic field, free electron, equation
theory, equation of state, superconductor

ABSTRACT: Fundamental electrodynamic equations for double-band superconductors are formulated. The magnetic properties of pure double-band superconductors in the neighborhood of H_c2 ($H_e \lesssim H_c2$) are investigated in the almost free electron approximations. An expression is derived for the free energy of the system in a second approximation, with respect to the difference between H_c2 and

Card 1/2

ACC NR: AP6036056

magnetic induction B . Other magnetic characteristics are investigated on this basis. It is shown that double-band superconductors of the second order can be characterized by two constants κ_1 and κ_2 , which exceed $1/\sqrt{2}$. Consequently, the free energy is not, generally speaking, a monotonous function of the mixed state theory parameter σ and hence the lowest value of σ ($\sigma > 1$) is not always realized in such superconductors, in contrast to the single band case. For superconductors with large nonmagnetic impurities, the fundamental equations acquire a single band nature, the critical temperature T_c and parameter of the Ginzburg—Landau theory being correspondingly defined on the double-band basis. The author expresses his deep appreciation to Academician N. N. Bogolyubov for his interest to this work and to L. Z. Kon and M. K. Kalpazhiu for their assistance in calculations. Orig. art. has: 73 formulas. [Author's abstract] [AM]

SUB CODE: 20, 12 / SUBM DATE: 14Apr66 / ORIG REF: 007 / OTH REF: 005 /

Card 2/2

ACC NO.: 17001702

SOURCE CODE: UR/0032/66/032/12/1922/1523

AUTHOR: Moskalev, V. A.
Platkov, V. Ya.; Trikoza, A. I.; Moskalev, V. A.

JOURNAL: Fiziko-Tekhnicheskii Institut nizkikh temperatur AN UkrSSR (Fiziko-
tekhnicheskii institut nizkikh temperatur AN UkrSSR)

TITLE: Attachment to pendulum-type impact testing machines for determining impact
ductility at low temperatures

SOURCE: Zavodskaya laboratoriya, v. 32, no. 12, 1966, 1522-1523

TOPIC TAGS: Impact test, ductility, metallurgic testing machine

ABSTRACT: The article describes the details of a newly developed attachment to a Type
MK-05 impact testing machine, which makes it possible to carry out tests at
temperatures in the range of 77-300°K, and a mechanism for the automatic feeding of the
sample from the cryostatic chamber onto the testing stand. A scheme of the unit is
shown in Figure 1. In experiments carried out with cryostats of different volumes
(from 170 to 1300 cm³) it was established that the temperature in the cryostats is
determined only as a function of the power of the heater. The unit described in the
article makes it possible to carry out slow cooling of three samples, and subsequent
testing at determined temperatures. Orig. art. has: 2 figures.

UDC: 620.170.7.25

Card 1/2

MOSKALENKO, V.G.
MOSKALENKO, V.G.

When will traction calculations be made? Put' i put.knoz. no.12:45
(MIREA 10:12)
D '57.

1. Nachal'nik tekhnicheskogo otdela sluzhby puti, Khar'kov.
(Railroad engineering--Tables, calculations, etc.)

DEMCHENKO, L.C. [Demchenko, L.C.] (Khim.prom., Leningrad, Russia)
MOSKALENKO, V.G. [Moskalenko, V.G.]

Oxidation of nitrogen oxide by means of a flow of oxygen and nitrogen
analyzers. Khim.prom. [Chemical Prom.] (Leningrad) (1986) (CIA-RDP86)

MOSKAVENKO, V.I., inzh. sluzhby puti (g. Saratov)

~~Unnecessary signal. Put' i put. khoz. no. 8:44 Ag '58. (MIRA 11:8)~~

(Railroads--Signaling)

MOSKALENKO, V.I.

Hidden economy sources. Put' i put.khoz. no.10:10-11
(MIRA 13:2)
0 '59.

1. Nachal'nik proyektno-izyskatel'noy gruppy, g.Saratov.
(Railroads--Surveying)

Report of : USSR
Date : 1960
City : Moscow, USSR, Moscow

At : Moscow, USSR, Institute of Economics
Name : Institute of Economics, USSR Academy of Sciences
Title : Director of the Institute
Priority : Top Priority

Date : USSR, Moscow, Institute of Economics
Priority : Top Priority
Details : The secretariat of the building committee of the Soviet
Union has been informed that at the 1st session of the
Scientific and Practical Conference to be held on September
20, 1960, the following documents will be presented:
1) A resolution of the Central Committee of the CPSU
regarding the construction of a new series of serial
plants. 2) A resolution of the Central Committee of the
CPSU, "On the construction of a new series of serial
plants." 3) A resolution of the Central Committee of the
CPSU, "On the construction of a new series of serial
plants." 4) A resolution of the Central Committee of the
CPSU, "On the construction of a new series of serial
plants." 5) A resolution of the Central Committee of the
CPSU, "On the construction of a new series of serial
plants." 6) A resolution of the Central Committee of the
CPSU, "On the construction of a new series of serial
plants."

*) and essential oil plants.
**) Krastodar, "Sov. Nauka" 1960, No. 1.

-101-

SUSLOV, V.H., otv.red.; VASIL'YEV, D.S., red.; GEYDEL'BERG, Ye.Z., red.;
IGNAT'IEV, B.K., red.; MOSKALENKO, V.I., red.; PANCHENKO, A.Ya.,
red.; UMEH, D.P., red.; TULIN, N.S., red.; ANTCHNOVA, N.M.,
khudozh.-tekhn.red.

[Collection of scientific research papers on oilseed and aromatic
plants] Sbornik nauchno-issledovatel'skikh rabot po maslichnym
i efiromaslichnym kul'turam. Moskva, Izd-vo M-va sel's. khoz. SSSR,
(MIRA 14:3)
1960. 284 p.

1. Krasnodar. Vsesoyuznyy nauchno-issledovatel'skiy institut
maslichnykh i efiromaslichnykh kul'tur.
(Oilseed plants) (Aromatic plants)

MOSKALENKO, V. I.

Cand Tech Sci - (diss) "Study of the performance and basis for parameters of the working members of machines used for harvesting sesame." Krasnodar, 1961. 20 pp; (Ministry of Agriculture RSFSR, Stalingrad Agri Inst); 200 copies; free; (KL, 7-61 sup, 241)

TISHCHENKO, A.V., kand.sel'skokhoz. nauk; MOSKALENKO, V.I.

Physiology of hybrid seeds obtained from the crosses of monospermous
and polyspermous sugar beets. Agrobiologiya no.4:617-619 Jl-Ag '63.
(MIRA 16:9)

1. Poltavskiy sel'skokhozyaystvennyy institut.
(Sugar beet breeding) (Seeds)

SOV/137-58-10-20927

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 79 (USSR)

AUTHORS Freyberg, M.A., Moskalenko, V.I.

TITLE Pull in the Cold Drawing of Zinc Phosphate-coated Tubes
(Tyagovyye usiliya pri kholodnom volochenii trub s tsink-fosfatnym pokrytiyem)

PERIODICAL: V sb.: Prokatn. i trubn. proiz-vo. Moscow, Metallurgizdat,
1958, pp 370-377

ABSTRACT When zinc phosphate coating (ZPC) is used as a method of preparing tubing (T) for drawing (D), the pull diminishes, and this makes it possible to increase deformation in a single pass. The antifriction properties of ZPC are considerably better than those of copper-plated surfaces. In order to determine the coefficient of friction with ZPC of outer and inner surfaces of T, measurement of actual pull in TD was made at the Novotrubnyy (New Pipe) Plant by means of a short mandrel of Nr 20 and 30KhGSA steel. The actual pull is 38% less than calculated. This is explained by reduction in the friction between the contact surfaces of the T and the tool. Experiments show that the coefficient of friction in drawing Nr-20 steel T with ZPC is

Card 1/2

SOV/137-58-10-20927

Pull in the Cold Drawing of Zinc Phosphate-coated Tubes
0.08-0.10, and not 0.15 as in the drawing of T with copper surfaces. A check
on the calculated pulls with allowance for the reduced coefficient of friction
(0.1) makes it possible to introduce greater severity in the groovings for TD
and to eliminate one or two passes.

B.Ts.

1. Pipes--Processing 2. Zinc phosphate--Coatings 3. Friction--Reduction

Card 2/2

S/130/60/000/006/010/011

AUTHORS: Freyberg, M. A., Assistant Manager, Moskalenko, V. I., Head of the Technological Department

TITLE: Cold Drawing of Pipes [✓] on an Oxide Film

PERIODICAL: Metallurg, 1960, No. 6, pp. 32-33

TEXT: To reduce friction forces arising during the cold drawing of pipes they were subjected to parkerizing or coppering and greasing prior to drawing. These processes were carried out at the etching department. The technology of parkerizing and coppering is described. To increase the efficiency of the etching department at the Pervoural'skiy novotrubnyy zavod (Pervoural'skiy New Pipe Plant) workers of the Plant developed a new technology of preparing mandrel-less pipes for drawing by eliminating the parkerizing and coppering process. Coppering and hot water washing were replaced by prolonged washing of the pipes with a firepump jet. During washing with the cold water jet and subsequent holding during 7-10 minutes in the open air an oxide film was formed on the pipes. This film was subjected to saponification in a saponifying emulsion bath and then formed a satisfactory antifriction coating, preferable to a parkerized or coppered one. This oxide film may easily form on pipes of all

Card 1/2

Cold Drawing of Pipes on an Oxide Film

S/130/60/000/006/010/011

carbon and alloyed steels, including 12XMФ (12KhMF), 15M (15M), 15XM (15KhM),
12MX (12MKh), 15X (15Kh), 40X (40Kh), 30ХГСА (30KhGSA), 12Х2МФСР (12Kh2MFSR)
and other steel grades. By using the new technology an amount of 90 tons c
copper sulfate was annually saved and the crane operations were reduced. Pipe
drawing on an oxide film is performed on conventional pipe drawing machines.
The surface of pipes rolled on an oxide film was improved and the rejects
decreased to 0.12% in comparison to 0.18-0.22% obtained by the previous
technology. The annual savings for one pipe drawing shop amount to 230,000
rubles.

ASSOCIATION: Pervoural'skiy novotrubnyy zavod (Pervoural'skiy New Pipe Plant)

Card 2/2

STASEVICH, P.K.; FREYBERG, M.A.; OSLON, N.L.; CHEMERINSKAYA, R.I.;
KOKHMAN, L.V.; MOSKALENKO, V.I.

Drawing unannealed carbon steel tubes without mandrels.
Stal' 21 no.8:725-727 Ag '61. (MIRA 14:9)

1. Pervouralskiy novotrubnyy zavod.
(Deep drawing (Metalwork)) (Pipe, Steel)

MOSTALENKO, V.K., inzhener.

~~Power tools designed for use with gasoline engine drive. Stroi.1
dor.mashinostr. 1 no.10:24-25 0 '56.
(Power tools)~~ (MLRA 9:11)

Country : USSR
CATEGORY : 3
MATERIAL : 200-1000, 1970, No. 1
AUTHOR : V. S. KARABYAN
INST. : Institute of Geography
TITLE : The Geographical Distribution of the
ORIG. PUB. : 1970
ABSTRACT : A study of the geographical distribution
of the distribution of different types of vegetation
in the Soviet Union. The author uses the data from
various sources to analyze the distribution of
different types of vegetation in the Soviet Union.
The study shows that the distribution of vegetation
is influenced by various factors such as climate,
soil, topography, and human activity.
The author also discusses the importance of
protecting the environment and preserving
the natural resources of the Soviet Union.

CARD: //

MOSKALENKO, V.K., inzhener.

Power tool with a motor using higher current frequency. Stroili
dor.mashinostr. 2 no.3:25-26 Mr '57. (MLRA 10:5)
(Power tools)

MOSKALENKO, V.K.

~~MOSKALENKO, V.K.~~

Automatic tools for dressing surfaces of reinforced concrete blocks.
Stroi. i dor.mashinostr. 2 no.8 32-33 Ag '57. (MERA 10 9)
(Concrete blocks) (Tools)

D'YACHENKO, V.G.; MAKSYMOW, A.L.; MOSKALENKO, V.K.; SHKURKO, S.I.
SYDEL'MAN, R.A.

The transition of industrial enterprises to a shorter workday
in the first five-year plan. Vop. truda no.1:8-66 '58.
(MIRA 12:8)

(Hours of labor)

MOSKALENKO, V.K., inzh.

New building tool driven by an internal combustion engine. Mechn.
stroi. 15 no. 4:19-21 Ap '58. (MIRA 11:5)
(Drilling and boring machinery)
(Gas and oil engines)

MOSKALENKO, V.K., inzh.

The S-614 electric perforator. Stroili dor.mashinostr. 4 no.5:
30-31 My '59. (MIRA 12:7)
(Power tools)

KOSKALENKO, V.K., inzh.

The S-550 electric and pneumatic mobile pavement breakers.
Stroi. i dor.mashinostr. 4 no.6:29-30 Je '59. (MIRA 12:8)
(Road machinery)

MOSKALENKO, V.K.

Mobile compressor units for general use. Biul.tekh.-ekon.inform.
(MIRA 14:8)
no.7:94-96 '61.
(Air compressors)

MOSKALENKO, V.M.

SHISHKIN, Nikolay Fedorovich, kand.tekhn.nauk; OLEKSEVICH, Valeriy Pavlovich;
DANILIN, Petr Yakovlevich; MIKHEYEV, Yuriy Aleksandrovich; SYCHEV,
Leonid Ivanovich. Prinimali uchastiye: SHALAGINOVA, T.S., inzh.;
SMORODINSKIY, Ya.M., kand.tekhn.nauk; KALINICHENKO, M.F., inzh.;
CHASHKIN, Ye.V., inzh.; ASTAF'YEV, V.D., inzh.; PROKOF'YEV, V.I.,
vedushchiy konstruktor; EGOROV, V.A., starshiy master; MOSKALENKO, V.M.,
laborant; GERASIMOV, N.F., laborant; POPOV, N.A., kand.Fiziko-matem.
nauk; KALINICHENKO, M.F., inzh.. LYUBIMOV, H.G., otv.red.; ALADOVA,
Ye.I., tekhn.red.; PROZOROVSKAYA, V.L., tekhn.red..

[Protection of the electric equipment and cable networks in mines]
Zashchita shakhnykh elektrostanovok i kabel'nykh setei. Pod red.
N.F.Shishkina. Moskva, Ugletekhnizdat, 1959. 242 p. (MIRA 12:3)
(Electricity in mining) (Electric cables)

S/044/62/000/010/042/042
B158/B102

AUTHORS: Mikhaylov, V. A., Moskalenko, V. A.

TITLE: Algorithm for solving a problem on a "Ural" machine according to a program compiled for a "Kiyev" automatic digital device

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1962, 67, abstract 10V356 (Zb. prats' z obchisl. matem. i tekhn. v. I. Kiyev, AN USSR, 1961, 61-67 [Ukr.; summary in Russ.])

TEXT: This algorithm is described in terms of the address programs.
[Abstracter's note: Complete translation.]

Card 1/1

NEPROCHNOV, Yu.P.; MOSKALENKO, V.N.

Structure of the Gatauta shelf based on reconnaissance seismic
investigations. Geol. nefti i gaza 7 no.8:51-54 Ag '63.
(MIRA 16:10)

1. Institut okeanologii AN SSSR.

MOSKALENKO, V.N.

New data on the structure of the sedimentary layer of the
Mediterranean Sea. Dokl. AN SSSR 152 no.6:1457-1460. 0 '63.
(MIRA 16:11)

1. Institut okeanologii AN SSSR. Predstavлено академиком
A.L. Yanshinyem.

REYNOV, Mikhail Naumovich; BREGMAN, Vladimir Il'ich; MOSKALENKO,
Vladimir Mikhaylovich; NAKHIMOVICH, Eduard Mikhaylovich;
PETROV, Yevgeniy Yuvenal'yevich; MOSHENSKIY, Naum L'vovich;
AKSENOV, Yevgeniy Mikhaylovich; ROMANOV, B.N., inzh.,
retsenzent; SHAKHOVA, V.M., red.; FRUMKIN, P.S., tekhn.red.

[Shipbuilding calculations on electronic computers] Sudostroitel'nye raschety na elektronnykh vychislitel'nykh mashinakh. [By] M.N.Reinov i dr. Leningrad, "Sudostroenie,"
1964. 169 p. (MIRA 17:3)

MOSKALENKO, V. N.

AUTHORS: Moskalenko, V. N., Osipov, A. M., Candidate of Historical Sciences. 30-9-44/48

TITLE: The Evaluation of Tasks of Soviet Orientalism (Obsuzhdeniye zadach sovetskogo vostokovedeniya).

PERIODICAL: Vestnik AN SSSR, 1957, Vol. 27, Nr 9, pp. 132-134 (USSR)

ABSTRACT: More than 250 delegates from all Soviet republics participated in the conference of orientalists which took place in Tashkent (June 4-11). Numerous guests from friendly foreign countries were present. After introductory words by E. M. Zhukov, member of the AN and secretary, B. G. Gafurov, director of the Institute for Orientalism AN USSR, gave the statement of accounts. The following papers dealt with the cultural development of the peoples of East and Southeast Asia. A. G. Krymov (Kuo-Schao-tan) talked on the international importance of the Chinese people's revolution. A lecture by Din-Dze-lyan, dean of the Northeast-Chinese University on "Sun-Yat-sen and his role in the international fight of liberation of the peoples of Asia" met with great approval with the historians. The speaker pointed out the extremely great importance of soviet orientalism which at

Card 1/2

The Evaluation of Tasks of Soviet Orientalism

30-9-44/48

first was for the benefit of the peoples of Caucasia lagging behind and then for the benefit of all peoples of Central Asia. Sumbad-zade, vicepresident of the Azerbaijhan AN, reported on the state of orientalism in his country, the same did M. G. Nersisyan, president of the Armenian AN, as well as the Academy-presidents of the Tadzhik and Turkmen republics. Azimdzhanov, member of the AN (Uzbek AN), talked on the history of Uzbekistan, the development of her culture in the course of centuries, on the cultural heritage of the Abu-Rey-Khan Biruni, the famous "canon of medical science" of Ibn Sin. All writings have now been translated from Arabic into Russian.

AVAILABLE: Library of Congress.

Card 2/2

S/113/60/U00/010/10
D270/D301

AUTHORS: Stefanovich, Yu.G., Moskalev, V.N., and Lur.
Candidates of Technical Sciences

TITLE: The determination of torsional oscillations in the
transmission of a A -51 (GAZ-51) automobile

PERIODICAL: Avtomobil'naya promyshlennost', no. 10, 1960, 10 - 12

TEXT: Calculations are carried out to determine the resonance
speed of an engine at various ratios and to reveal spots in the
transmission where maximum amplitudes can be expected. Data obtained
experimentally by F.F. Simakov with a GAZ-51 engine and trans-
mission together with information derived from the geometrical di-
mensions of transmission components can be used as a basis for the
calculation. The arrangement of the former is shown, indicating
mass distribution and the corresponding lengths of the shafts. The
computation provided the necessary data to plot one-, two-, three-
and four-node forms of vibrations in the transmission system. In
the multimass system of a vehicle resonances of several natural os-

Card 1/4

The determination of torsional ...

S/113/60/000, C10/005/014
D270/D301

cillations of the system with various order harmonics are possible for the same engine speed. The notion of harmonic moments is related to the method of expanding the engine torque in Fourier series. In the case of a four-stroke, straight-line six-cylinder GAZ-51 engine with the cranks of its shaft disposed at 120°, the main harmonics will be of the 3rd, 6th and 9th order, and so on. The resonant system can be demonstrated by composing a table of the resonant engine revolutions for various speeds of the gear box. Flexible line curves indicate that maximum shaft torque angles and the corresponding maximum torsional moment amplitudes can be expected along the primary shaft and the half-shafts in the case of one- and two-node forms of vibrations in first, second and third gears. The experimental checking was carried out with the use of strain gages and an oscillograph. The arrangement for measuring the torque of the primary gear box shaft is illustrated. The operational conditions included: Intensive acceleration with a fully open throttle in first gear with subsequent change to higher gears; similar acceleration in second gear; gradual acceleration in the same gear or deceleration, acceleration with fully open throttle in third gear from a mi-

Card 2/4

The determination of torsional ...

S/113/60/000/010/003/014
D270/D301

nimum stable speed to its maximum; similar acceleration in fourth gear. The oscillograms obtained are also shown. Analysis of the traces at resonance maxima enables the engine revolutions torsional vibration frequencies, maximum and minimum torque and the swing in torque oscillation to be computed. Analysis showed that maximum forced vibrations in third gear occur when the three-node natural oscillations of the system resonate with the third harmonic of the engine. When the two-nodal natural vibrations of the system resonate with the first harmonic of the engine, the swing in forces oscillations is smaller and indicates a flatness in the resonance curve. The curves demonstrate that torsional vibrations in third and fourth gear are quite significant from the point of view of strength and noise. It is therefore necessary to take steps to eliminate them by mounting dry friction dampers, initial friction, inertia dampers, etc. Calculation of the torsional vibrations in a car transmission permits accurate determination of the former's frequency and form to be made. The measurement of torque vibrations on the gear box input shaft enables the maximum torque oscillations at resonant speeds to be determined. There are 4 figures, 2

Card 5/4

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135320016-9

The determination of torsional tables and 4 Soviet-bloc references.

S/113/60/000/010/003/014
D270/D301

ASSOCIATION: NAMI

Card 4/4

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135320016-9"

MOSKALENKO, V.N. (Moskva)

Applying the specified theory of plate bending to the problem
of natural vibrations. Inzh.zhur. 1 no.3:93-101 '61. (MIRA 15:2)
(Elastic plates and shells—Vibration)

S/879/62/000/000/041/088
D234/D308AUTHOR: Moskalenko, V. N. (Moscow)

TITLE: Taking into account the rotational inertia and shear deformation in problems of natural vibrations of plates

SOURCE: Teoriya plastin i obojochek; trudy II Vsesoyuznoy konferentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo AN USSR, 1962, 264-266.

TEXT: The author represents the improved equations of the problem in a general form:

$$\Delta\varphi - \Delta w = \frac{2(1+v)}{\rho Eh} p - \frac{2(1+v)}{\rho E} \rho \frac{\partial^2 w}{\partial t^2}$$

$$\Delta\varphi = \alpha \left[\frac{6v(1+v)}{5Eh} p - \frac{v(1+v)}{5E} \rho \frac{\partial^2 w}{\partial t^2} \right] +$$

Card 1/2

Taking into account ...

S/879/62/000/000/041/088
D234/D308

$$+ \frac{6r(1-\nu)}{h^2} (\varphi - w) + \frac{1-\nu^2}{E} \rho \frac{\partial^2 \varphi}{\partial t^2};$$

$$\Delta \vartheta = \frac{12r}{h^2} \vartheta + \frac{2(1+\nu)}{E} \rho \frac{\partial^2 w}{\partial t^2}$$

(1)

Equations of various authors can be obtained by assigning different numerical values to α , r . Some results in calculating the natural frequencies according to these theories are claimed, and frequency equations of the three-dimensional theory of three-layer shells are given.

Card 2/2

MOSKALENKO, V.N. (Moskva)

Natural vibrations of sandwich plates. Izv.AN SSSR.Otd.tekh.-
nauk.Mekh. i mashinostr. no.4:125-129 Jl-4g '62. (MIRA 15:8)
(Sandwich construction—Vibration)

REF ID: A65252
ACCESSION NR: AP500516
S/00/2/64/017/006/005/0071

AUTHOR: Moskalenko, V. N.

TITLE: On the stability of a three-layer plate

SOURCE: AN ArmSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, v. 17, no. 6, 1964, 65-71

TOPIC TAGS: shell stability, shell structure buckling, sandwich structure, elastic shell

ABSTRACT: An exact solution is obtained for the problem of stability of a thick three-layer (sandwich) plate, under Navier conditions or the simple edges (supported entirely). The contact conditions used are that there be no relative slippage between layers. The plate is assumed to consist of three isotropic layers, of which the inner ones have identical elastic constants, with all three layers having the same Poisson coefficient. It is shown that in the case of a symmetrical plate, in virtue of the properties of the boundary and contact conditions, two types of

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L 34174-65

ACCESSION NR: AP5005165

of stability losses are possible, accompanied by antisymmetrical or symmetrical deformation, respectively (bending and symmetrical buckling). The conditions satisfied for both cases are analyzed. The antisymmetrical loss of stability of a thick three-layer plate with a soft central layer of square cross section is discussed by way of an example. Orig. art. has: 3 figures and 22 formulas.

TRANSLATION: Institut mekhaniki AN SSSR (Institute of Mechanics, AN SSSR)

DATE: 25 Apr 64

ENCL: 20

SUB CODE: AL

REF ID: 006

OTHER: 201

ACCESSION NR: AP4043525

S/0258/64/004/003/0516/0524

AUTHORS: Bolotin, V. V. (Moscow); Moskalenko, V. N. (Moscow)

TITLE: Deflection of two layer plates connected with elastic rods

SOURCE: Inzhenernyy zhurnal, v. 4, no. 3, 1964, 516-524

TOPIC TAGS: elastic plate, middle surface deflection, torsion, shear, deformation, elasticity modulus, Poisson coefficient, stress tensor, potential energy, transverse component, variational principle

ABSTRACT: The deflection of a system consisting of two elastic plates connected with rods (see Fig. 1 on the Enclosure) was studied, considering middle surface deflection, plus the torsion, shear, and deformation of the connecting rods. The thickness h_α , elasticity modulus E_α , and Poisson's coefficient ν_α for each plate are assumed to be constant. The deflection of a point on the plate $u_\alpha, v_\alpha, w_\alpha$ is defined by

$$u_\alpha^* = u_\alpha - \zeta_\alpha \frac{\partial w_\alpha}{\partial x}, \quad v_\alpha^* = v_\alpha - \zeta_\alpha \frac{\partial w_\alpha}{\partial z}, \quad w_\alpha^* = w_\alpha \quad (\alpha = 1, 2).$$

The components of the deformation and stress tensors are defined explicitly, and

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ACCESSION NR: AP4043525

an expression is introduced for the potential energy stored during the plate deflection. It is further assumed that plate separation distance H is much greater than h_{∞} . The forces generated in the rods are divided into longitudinal and transverse components and an equivalent potential energy expression is written for the rod deformation. Lagrange's variational principle is then used to determine the governing equation for plate and rod deflections and then reduced to a simpler form corresponding to homogeneous rods, uniformly distributed between the two plates. The potential functions ϕ and ψ are then written in terms of polar coordinates r , θ , and expressions derived for w and ϕ under a concentrated load or

$$w_*(r; \theta) = \int_0^{2\pi} d\theta_0 \int_{r_0}^r \tilde{q}(r_0, \theta_0) \xi^3 \ln \xi r_0 dr_0,$$

$$\phi_*(r, \theta) = -\frac{H}{2} \int_0^{2\pi} d\theta_0 \int_{r_0}^r \tilde{q}(r_0, \theta_0) [\xi^3 \ln \xi + 4\chi^{-1}(1 + \ln \xi)] r_0 dr_0,$$

where

$$\tilde{q} = \frac{3(1-v^2)qH^3}{2\pi E^2 h(h^2+3H^2)}, \quad \xi = \frac{1}{H} \sqrt{r^2 + r_0^2 - 2rr_0 \cos(\theta - \theta_0)}.$$

Card 2/4

ACCESSION NR: AP4043525

An example is given corresponding to the deflection of a circular plate under uniformly distributed loads on each plate surface. Orig. art. has: 67 equations and 2 figures.

ASSOCIATION: Institut mokhaniki AN SSSR (Institute of Mechanics AN SSSR)

SUBMITTED: 06Sep64

SUB CODE: ME

NO REF SOV: 002

ENCL: 01

OTHER: 000

Card 3/4

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135320016-9

ACCESSION NR: AP4043525

ENCLOSURE: 01

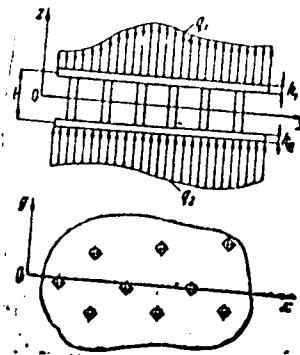


Fig. 1.

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APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135320016-9"

MOSKALENKO, V.N.

Equilibrium of a three-layered plate. Izv. AN Arm. SSR. Ser. fiz.-
mat. nauk 17 no.6:65-71 '64.
(MIRA 18:3)

1. Institut mekhaniki AN SSSR.

W.S.DAUBEC, V.N. (Moskva) : DREM D-1,2II (Moskva)

Natural vibrations of multi-span continuous plates. Fizika
mekhaniki i radiofizika, 1965, no. 3, p. 54-66.

• Institut mehaniki i radiofiziki

L 2603-66 EWT(d)/EWT(m)/EWP(w)/EWP(k)/ETC(m) WW/EM

ACCESSION NR: AP5022216

UR/0198/65/001/006/0074/0084

AUTHORS: Babanskiy, V. D. (Moscow); Maskalenko, V. N. (Moscow)

33

TITLE: On the frequency spectrum of two-layer plate natural oscillations

31

SOURCE: Prikladnaya mehanika, v. 1, no. 8, 1965, 74-84

3

TOPIC TAGS: elastic plate, elastic oscillation, Hamilton equation, potential energy

24

ABSTRACT: A general solution is obtained for the frequency spectra of the natural vibrations of a two-layer plate. The two plates are circular in shape, uniform, and are connected by means of elastic rods uniformly distributed between them (see Fig. 1 on the Enclosure). The deflection equations for the system are derived from Hamilton's principle

$$(I' - U - V)\ddot{w} = \iint L(u_a, u_w, w_a) dx dy dt. (1)$$

Expressions are derived for the deformation energy U of the plates, the potential energy of the external load

$$V = - \sum_{a=1,2} \iint q_a w_a dx dy + \text{const.} (2)$$

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ACCESSION NR: AP5022216

and the kinetic energies of the plates and the rods T . In their final form the equations for flexural oscillations are given by the set

$$\frac{E'h}{1-v^2} \Delta\varphi + \frac{24EI}{H^4 f_0(1+\epsilon)} \varphi + \frac{12EI}{H^4 f_0(1+\epsilon)} \omega = 0;$$

$$-\left[\frac{E'h}{2(1+v)} + \frac{2Gf_0}{Hf_0} \right] \Delta\psi + \frac{24EI}{H^4 f_0(1+\epsilon)} \psi = 0; \quad (3)$$

$$D\Delta\Delta\omega - \frac{6EI}{Hf_0(1+\epsilon)} \Delta\omega - \frac{12EI}{H^4 f_0(1+\epsilon)} \Delta\varphi + \frac{1}{2} m^2 \frac{\partial^2 w}{\partial r^2} = 0.$$

with series solutions of the type

$$w(r,\theta,t) = \sum_{m=0}^{\infty} [w_{1m}(r) \sin m\theta + w_{2m}(r) \cos m\theta] \exp(i\omega t). \quad (4)$$

As an example, the special case of circular plates of radius R is considered fixed along the circumference. The characteristic equation for the natural vibrations of the system is obtained in Bessel functions which, up to a two-term approximation, can be given by

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ACCESSION NR: AP5022216

$$\begin{aligned} I_m'(\sqrt{\rho}) J_m(\sqrt{\rho}) - I_m(\sqrt{\rho}) J_m'(\sqrt{\rho}) + \frac{1-\alpha}{2V\rho_0} \left[J_m'(\sqrt{\rho_0}) I_m'(\sqrt{\rho_0}) - \right. \\ \left. - \frac{m^2}{\rho_0} J_m(\sqrt{\rho_0}) I_m(\sqrt{\rho_0}) \right] \approx 0. \quad (5) \end{aligned}$$

Orig. art. has: 25 equations and 4 figures.

ASSOCIATION: Institut mekhaniki AN SSSR (Institute of Mechanics, AN SSSR)

SUBMITTED: 15Apr64

ENCL: 01

SUB CODE: AS

NO REF SOV: 000

OTHER: 000

Card 3/4

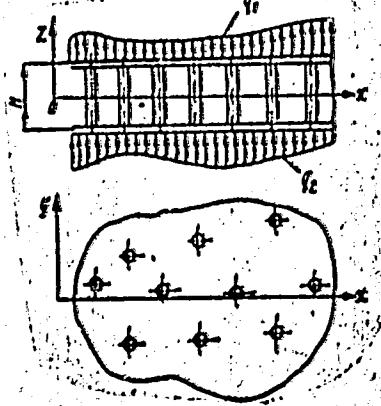
"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135320016-9

L 2603-66

ACCESSION NR: AP5022216

ENCLOSURE: 01



44
Card 16

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135320016-9"

ACC NR: AR7004117 (n)

SOURCE CODE: UR/0169/66/000/012/G005/G005

AUTHOR: Moskalenko, V. N.; Yel'nikov, I. N.

TITLE: Seismic data on the probable continuation of the African Platform in the Crete-African Basin of the Mediterranean Sea

SOURCE: Ref. zh. Geofizika, Abs. 12G27

REF SOURCE: Sb. 2-y Mezhdunar. okeanogr. kongress, 1966. Tezisty dokl., M., Nauka, 1966, 277

TOPIC TAGS: seismic prospecting, seismic wave, oceanography

ABSTRACT: In 1960-1965, the Institute of Oceanology AN SSSR carried out seismic prospecting in the Crete-African basin of the Mediterranean using the method of refracted and reflected waves. Four distinct zones were determined according to the character of the structure of their sedimentary strata: the continental slope of the Libyan seaboard to the Persian Gulf; the Levantine basin and the continental slope east of the Persian Gulf; the Central Mediterranean Bank

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UDC: 550.834:551.14(262.4)

ACC NR: AR7004117

and the Hellenic trough. Layers of varying degrees of consolidation are clearly distinguished in the second and the third zones. These zones differ from each other in thickness of strata and in physical properties of the sedimentary rock layers. In the Hellenic trough, the wave pattern corresponds to a multilayer, more or less homogeneous strata of sedimentary rocks. The upper part of the basement is characterized by an identical structure from the African Platform to the Hellenic trough. [Translation of abstract]

SUB CODE: 08/

[GC]

Card 2/2

ARTSIMOVICH, G.V., kand. tekhn. nauk; ASYCHENKO, Ye.I., kand. tekhn. nauk;
STARKOV, V.I., inzh.; MOSKALENKO, V.P., inzh.; FISHEMAN, A.I., inzh.

Using hard-alloy tools in boring frozen soils with the BKGM machines.
Stroi. i dor. mash. 10 no.10:24-25 O '65. (MIRA 18:10)

MOSKALENKO, V.S.

Economic advantage of cultivating winter-crop coriander. Mael.-zhir.
prom. 27 no.3:34-35 Mr '61. (MIRA 14:3)

1. Voznesenskaya optychnaya stantsiya.
(Stavropol Territory—Coriander)

LIPKOV, Iosif Abramovich; MOSKALENKO, Viktor Vasill'yevich; MIL'CHENKO, I.S.,
kandidat tekhnicheskikh nauk, retsenzent; SUKHOV, A.M., kandidat
tekhnicheskikh nauk, retsenzent; MINAYEVA, T.M., redaktor; MEDVEDEV, L.Ya.,
tekhnicheskiy redaktor.

[Machines and technology in the production of circular knit goods.]
Mashiny i tekhnologiya proizvodstva kruglogo trikotazhnogo polotna.
Moskva, Gos.nauchno-tekhnik.izd-vo lit-ry po legkoi promyshl., 1957.
407 p.
(MIRA 10:11)

1. Syzranskiy trikotazhnyy tekhnikum (for Surkov).
(Knit good industry)

COUNTRY : USSR
CATEGORY : G
Cooparasitology. Acarics and Insects as Vectors
of Disease. Insects
PERIOD : Printed, No. 4 1969, No. 15043
AUTHOR : Noskolenko, V. V.
INST. : Irkutsk Scientific Research Anti-Plague Insti-
TITLE : Gasteromyia on Rodents of Gobi-Altay
PERIOD. : Izv. Irkutskogo n.-i. protivochumn. in-ta Sibiri
1957, 15, 327-328
ABSTRACT : In Inner-Mongolia (Outer Mongolia), on 15 July 1949,
the larvae of Gasteromyia were found in 9 out of
10 barbaryans, in 8 out of 1 long-tailed susliks
and in 4 out of 12 Daurian pikas. The rodents
which were severely infected moved with diffi-
culty.
State of Siberia and the Far East

DATE: 1/2

ZHOUVYY, I.F.; YEMEL'YANOVA, N.D.; FEGOROVA, L.V. [deceased]; RYZHUK,
T.I.; LIOKOV, Yu.A.; SUCHEVSKIY, P.T.; MOSEALENKO, V.Y.;
KOZLOVSKAYA, O.L.; DEMIDOVA, A.A. [deceased]; ANIKEEV, I.K.;
CHIPIZUEVA, P.A.; PROLIP'YEV, V.N.

Materials for a study of the trombiculid mites of Siberia and
the Far East. Izv. Irk.gos.nauch.-issel.protivochum.inst. 16:
156-172 '57.

(SIBERIA, EASTERN--MITES)

(MIRA 13:7)

MOSKALINKO, V.V.

House fleas of the coast region (Mar East). Izv. Irk. gos. nauch.-
issel. protibochum. inst. 16:196-197 '57. (MIRA 13:7)
(MARITIME TERRITORY--FLEAS)

MOSKALENKO, V.T.

Method for recording the number of fleas among rodents in the
Maritime Territory. Izv. Irk.gos.nauch.-issl.protivochum.inst.
17:127-129 '58. (MIRA 13:?)
(MARITIME TERRITORY--FLEAS) (PARASITES--RODENTS)

MOSKALENKO, V.V.

Ability of fleas of mouselike rodents of the Maritime Territory
to drink human blood. Izv. Irk.gos.nauch.-issel.protivochum.inst. 17:
139-142 '58.
(MARITIME TERRITORY--FLEAS) (PARASITES--RODENTS)

MOSKALENKO, V.V.

Influence of temperature on the behavior of fleas following the
death of their hosts. Inv.Irk.gos.nauch.-issel.protivochum.inst.
17:181-184 '58. (MIRA 13:7)
(MARITIME TERRITORY--JELAS) (PARASITES--RODENTS)

SHKILEV, V.V.; MOSKALENKO, V.V.

Diurnal activity of rodents of the Maritime Territory. Izv.
Irk.gos.nauch.-issl.protivochum.inst. 19:110-116 '58.
(MIRA 13:7)
(Maritime Territory--Rodentia)

SHKILEV, V.V.; SYCHEVSKIY, P.T.; MECHAYEVA, N.N.; MOSKALENKO, V.V.

Parasites of muskrat in the Maritime Territory. Soob. DVFAU SSSR
no.11:155-157 '59. (MIRA 13:11)

1. Krayevaya protivoepidemicheskaya stantsiya Primorskogo Kraya.
(Maritime Territory--Muskrats--Diseases and pests)

MOOKALINKI, V.V.

Effect of temperature on the multiplication of some species of rodent fleas of the Maritime Territory under laboratory conditions. Dokl. Irk. gos. nauch.-issi. protivoznam. inst. rost. L. + 165 tr. 3 (VISTI (P.))

Longevity of some species of rat fleas in the Maritime Territory. Ibid. 31(6-17)

L 21199-66 EWT(1) IJP(c) GS
ACC NR: AF6004606 (N)

SOURCE CODE: UR/0000/65/000/000/0064/0075

AUTHOR: Madiyevskaya, E. Kh.; Mel'nikov, A. V.; Moskalev, V. V.

ORG: none

TITLE: Behavior of the vector of nuclear magnetization when the polarizing magnetic field is cut off

SOURCE: Leningrad. Universitet. Yadernyy magnitnyy rezonans (Nuclear magnetic resonance). no. 1, 1965, 64-75

TOPIC TAGS: nuclear magnetic resonance, magnetic field, relaxation process

ABSTRACT: The authors consider the method of free nuclear precession in weak magnetic fields and study the transition processes which take place when the polarizing magnetic field is cut off. The behavior of the nuclear magnetization vector is considered for two simple cases: 1. a change in the external field intensity while the orientation is held constant; 2. uniform rotation of the field while its intensity is held constant. In the first case, the vector of nuclear magnetization, which is directed initially along the field, does not change its direction. After

Card 1/2

2

L 21199-66
ACC NR: AT6004606

a certain relaxation time, its intensity also remains constant. In the second case, the behavior of the vector is considerably dependent on the ratio of angular velocities for the Larmor precession and field rotation. The cases of fast and slow cutoff are considered. Approximate formulas are derived for calculating practical switch-off methods when using the free nuclear precession method for solving problems in metrology, geophysics and geology, radiospectroscopy, archeology, etc.
Orig. art. has: 8 figures, 30 formulas.

SUB CODE: 20/ SUBM DATE: 03Nov65/ ORIG REF: 004/ OTH REF: 006

Card 2/2 dda

L 21202-66 EMT(1) IJP(c) GS
ACC NR: AT6054612

SOURCE CODE: UR/0000/65/000/000/0132/0137

AUTHOR: Aleksandrov, N. M. (deceased); Moskalev, V. V.

ORG: none

TITLE: 21, 44, 55
resonance lines in solids

37
B71

SOURCE: Leningrad. Universitet. Yadernyy magnitnyy rezonans (Nuclear magnetic resonance). no. 1, 1965, 132-137

TOPIC TAGS: NMR spectroscopy, glass, magnetic crystal

ABSTRACT: The authors describe an rf spectrograph for studying dia- and paramagnetic crystals or glass. This unit is an improved modification of a spectrograph described previously (N. M. Aleksandrov, V. V. Moskalev, Vestnik LGU, No 16, 14, 1958) which may be used for studying the contours of nuclear magnetic resonance lines from H¹, F¹⁹, P³¹, Na²³, Li⁷, B¹¹, Al²⁷, etc. isotopes from -160 to +200°C. The receiver may be used to record both the component of absorption and the component of dispersion and has working frequencies of 8, 12 and 16 Mc. The electromag-

Card 1/2

L 21202-66

ACC NR: AT6004612

net power supply gives a magnetic field intensity of 8000 gauss with a relative instability of about 10^{-4} v/hr. The device also incorporates a unit for slow variation of the magnetic field and a cryostat. Orig. art. has: 4 figures.

SUB CODE: 20,09/ SUBM DATE: 03Nov65/ ORIG REF: 004/ OTH REF: 002

Card 2/2 dda

Category : USSR/Solid State Physics - Solid state theory. Geometric crystallography E-2

Abs Jour : Ref Zhur - Fizika, No 1, 1957, No 1047

Author : Moskalenko, V.Z.

Title : Adiabatic Form of the Perturbation Theory in the Problem of Interaction
Between Two Particles in a Quantum Field.

Orig Pub : Uch. zap. Kishinevsk un-ta, 1955, 17, 103-114

Abstract : Using the adiabatic perturbation theory, the problem of the interaction between two particles in a quantum field is considered. The problems of the excitation and the bipolaron in an ion crystal were investigated, using the effective-mass approximation. In the case of the polarizing exciton, the energy spectrum of the system was investigated and its effective mass was determined by the author as approximately $10^6 m$ for alkali-halide crystals and $10 m$ for Cu_2O (m is the mass of the electron). The cases of total spin $S = 0$ and $S = 1$ were considered for the bipolaron. In either case, the energy of the ground state was found to be greater than the energy of two polarons removed to infinity, showing the instability of the polarons.

Card : 1/1

Ad. s / Kh. f. / J. A.

USSR / Electricity

Abs Jour : Ref Zhur - Fizika, No 4, 1951, No 9/29 G
Author : Moskalenko, V. Zh.
Inst : Kishinev University, Kishinev.
Title : On the Theory of Interaction Between Excitons and a Phonon
Field
Orig Pub : Zh. eksperim. i teor. fiziki, 1956, 30, No 5, 959-961
Abstract : The author investigates the effect of the inertia polarization of the lattice of an ionic crystal on the spectrum of the non-polarizing exciton. To take into account the polarization of the medium he employs a macroscopic approximation. The problem is solved in the effective-mass approximation. It is shown that as a result of the interaction with the null combinations of the phonon field the exciton level shifted downward, which corresponds to increasing the effective mass of the non-polarizing exciton.

Card : 1/1

MOSKALENKO, Ya.F.

Excavators can be used for making railroad cuts before
drawing slope profiles. Transp.stroi. 9 no.10:7-8 0 '59.
(Railroads--Earthwork) (MIRA 13:2)

MOSEALENKO, Yury, cand. tekhn. nauk, dozent; VISHNYAKOV, B.I., cand.
tekhn. nauk; SHACHKOV, N. N., inzh.

Experience in the operation of hydraulic vibration dampers
of the central stage of passenger car suspension. Sbor.
trud. LIKHT no. 715-142-159 '64.

(MERA 12-2)

MARISOVA, A.P.; KARNITSKAYA, N.V.; KONDRAHENKO, V.I.; VOLCHANSKAYA, M.A.;
PRIYMA, N.I.; SHOVKUN, A.G.; MOSKALENKO, Ye.P.; MUZYKOVA, N.F.;
EL'KIND, R.A.

Study of the reactogenic properties and epidemiological effectiveness
of the whooping cough-diphtheria vaccine in Rostov-on-Don. Zhur.
mikrobiol., epid.i immun. 32 no.12:8-12 D '61. (MIRA 15:11)

1. Iz Rostovskogo instituta epidemiologii, mikrobiologii i gigiyeny.
(ROSTOV-ON-DON--WHOOPING COUGH--PREVENTIVE INOCULATION)
(ROSTOV-ON-DON--DIPHTHERIA--PREVENTIVE INOCULATION)

MOSKALENKO Yu. Ye.
EXCERPTA MEDICA Sec.2 Vol.9/10 Physiology, etc. Oct56

4663. MOSKALENKO Yu. E. and NAYMENKO A. I. Chair of Normal Physiol.,
1st Med. Inst. of Leningrad; Chair of Accident Prevent., Electrotechn.-Inst.
of Leningrad. * Theory of the method of electropilethysmo-
graphy (Russian text) FIZIOL. Z. 1956, 42/3 (312-316)
As a basis for application of impedance plethysmography to the recording of cere-
bral circulation, the electrical field distribution inside the skull was studied on
human and animal cadavers, in longitudinal and transverse direction, with the
electrodes piercing the skull and in contact with the dura mater. A map of iso-
potential lines on the skull of a cat is shown. In anaesthetized animals, the great-
est density is in the spaces filled with CSF. The difference of electrical conduc-
tivity between CSF and brain tissue is greater in living animals than in cadavers.
The plethysmographic record shows the replacement of CSF by blood, synchronous
with the pulsations. Since the conductivity of CSF is twice that of blood, the re-
cords of cerebral circulation have opposite polarity to those from other organs,
where blood has a higher conductivity than the tissue. The effect of different fre-
quency of the alternating current was studied from 20 to 2,000 c.p.s., and a dia-
gram for the relationship between frequency and sensitivity of the method to re-
cord CSF displacement is constructed. Records were also obtained with direct
current, but polarization effects were found to be a disturbing factor.

Simonson - Minneapolis, Minn.

ACCESSION NR: AT4037706

S/2865/64/003/000/0366/0378

AUTHOR: Moskalenko, Yu. Ye.; Graunov, O. V.; Gazenko, O. G.; Kas'yan, I. I.

TITLE: Reactions of the vascular system in the intracranial cavity to equivalents of longitudinal g-loads

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 3, 1964, 366-378

TOPIC TAGS: acceleration, brain, circulation, cerebral circulation

ABSTRACT: Electroplethysmographic (EPG) methods have been used to study intracranial hemodynamics in response to simulated or equivalent longitudinal g-loads obtained by rotating animals (rats, rabbits, and cats) in a vertical plane. The vectorial gravitational changes so produced induced active reactions in the vascular system of the brain. These changes occur 4 to 8 sec after the body posture has been changed. Their function is to normalize the blood filling of the intracranial cavity. Special experiments have shown that these active reactions are specific for cerebral blood vessels and that their threshold of sensitivity appears when the change is equivalent to 0.3 to 0.4 g. The data obtained indicate that

Card 1/2

ACCESSION NR: AT4037706

when animals are subjected to simulated longitudinal g-loads (head down), the organs of the central nervous system undergo a shortage of circulation and require compensation on the part of adaptive mechanisms.

ASSOCIATION: none

SUBMITTED: 00

NO REF Sov: 004

ENCL: 00

OTHER: 007

SUB CODE: PH, LS

Card 2/2

MOSKALENKO, Yu.Ye.; NAUMENKO, A.I.

Rhythmical flow of cerebrospinal fluid in cavities of the brain and spinal cord in animals [with summary in English]. *Fiziol.zhur.* 43 no.10:928-933 O '57.
(MIRA 11:1)

1. Kafedra normal'noy fiziologii 1-go Meditsinskogo instituta im. I.P.Pavlova i Kafedra tekhniki bezopasnosti Elektrotekhnicheskogo instituta im. V.I.Ulyanova (Lenina), Leningrad.
(CEREBROSPINAL FLUID, physiology.
circ. in animals (Rus))

MOSKALENKO, Yu.Ye.; NAUMENKO, A.I.

Cerebrospinal fluid flow in normal animals. *Fiziol. zhur.* 45 no.5:
562-568 Ky '59.
(MIRA 12:7)

1. Kafedra normal'noy fiziologii 1-go Leningradskogo meditsinskogo
instituta im. akad. I.P. Pavlova.
(CEREBROSPINAL FLUID,
flow in normal animals (Eng))

MOSKALENKO, Yu. Ye.

Mechanicophotoelectrical converts. *Fiziol. zhur. SSSR* 45 no. 7:883-
886 Jl '59.
(MIRA 13:4)

1. From the U.S.S.R. Academy of Sciences I.M. Sechenov Institute
of Evolutionary Physiology, Leningrad.
(EQUIPMENT AND SUPPLIES)

MOSKALENKO, Yu.Ye.; NAUMENKO, A.I.

Change in the electroconductivity of the blood during motion. Biul.
eksp. biol. med. 47 no.2:77-82 F '59. (MIRA 12:4)

1. Iz kafedry normal'noy fiziologii (ispolnyayushchiy obyazannosti zav. -
dots. A.I. Naumenko) i Leningradskogo meditsinskogo instituta imeni I.P.
Pavlova i kafedry tekhniki bezopasnosti (zav. - dots. V.Ye. Manoylov)
Leningradskogo elektrotekhnicheskogo instituta imeni V.I. Lenina (dir. -
prof. N.P. Bogoroditskiy). Predstavlena deystvitel'nym chленом AMN SSSR
P.S. Kunalovym.

(BLOOD,
electric conductivity (Rus))

MOSKALENKO, Yu.Ye.

Use of one-centimeter radio waves in noncontact recording of volume changes in biological objects. Biofizika 5 no. 2:225-228 '60.

(MIRA 14:4)

1. Institut evolyutsionnoy fiziologii im. I.M. Sechenova AN SSSR,
Leningrad.

(PLETHYSMOGRAPHY) (MICROWAVES)

MOSKALENKO, Yu.Ye.

Third International Conference on Electronics in Medicine.
Vest.AN SSSR 30 no.11:112-113 N '60. (MIRA 13:11)
(Medical electronics)

MOSKALENKO, Yu. Ye.

Institute fo Evolutionary Physiology imeni I. M. Sechenov,
Academy of Sciences USSR, Leningrad - "The selection of
frequency limits for the registration of electroplethysmograms
of different regions and organs of the human body" (25)

Report to be submitted for the 4th Intl. Conf. on
Medical Electronics, New York, N.Y., 16-21 July 1961

MOSKALENKO, Yu.Ya.

Cerebral pulsation in the closed cranial cavity. Izv. AN SSSR.
Ser. biol. no.4:620-629 Jl-Ag '61.
(MIRA 14:9)

1. Institut evolyutsionnoy fiziologii im. I.M.Sechenova AN SSSR.
(BRAIN—BLOOD SUPPLY)

BARBASHOVA, Z.I.; MOSKALENKO, Yu.Ye.

Changes in the electric parameters of skeletal muscle tissues
in animals acclimatized to hypoxia. Biofizika 6 no.3:328-330
'61. (MIRA 14:6)

1. Institut evolyutsionnoy fiziologii imeni Sechenova AN SSSR,
Leningrad.
(MUSCLE) (ANOXEMIA) (ELECTROPHYSIOLOGY)

VOYNQ-YASENETSKIY, A.V.; MOSKALENKO, Yu.Ye.

Graphic registration of movements of chick embryos. Fiziol. zhur.
47 no.9:1205-1207 S '61.
(MIRA 14:9)

1. From the I.M.Sechenov Institute of Evolutionary Physiology,
Leningrad.
(EMBRYOLOGY—EQUIPMENT AND SUPPLIES)